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Title: JP4206366A2: FLAT BATTERY
Country: JP Japan
Kind: A
Inventor: NAKAI KENJI;
 HIGASHIMOTO KOJI;
 HIRONAKA KENSUKE;
 HAYAKAWA TAKUMI;
 KOMAKI AKIO;
 NAKANAGA TAKEFUMI;
 TANIGUCHI MASATOSHI;
Assignee: SHIN KOBE ELECTRIC MACH CO LTD.
 OTSUKA CHEM CO LTD.
[News, Profiles, Stocks and More about this company](#)
Published / Filed: 1992-07-28 / 1990-11-30
Application Number: JP1990000333743
IPC Code: H01M 10/40; H01M 4/02
Priority Number: 1990-11-30 JP1990000333743
Abstract:
 ... PURPOSE: To prevent the aggravation of the battery performance by laminating a flat positive electrode active material and a negative electrode active material through a solid electrolyte, covering these generating elements with a collector, divisionally forming the positive electrode active material on the collector, and sealing the peripheral part by a sealing material.
 ... CONSTITUTION: On a stainless foil used as both a battery sheath and a collector 1, an aqueous solution of vanadium pentoxide which is a positive electrode material 2 is finely applied by means of screen printing, dried and heated. For example, a 1,2-dimethoxyethane(DME) solution of a polyphosphadine derivative in which 1mol/l of lithium perchlorate is dissolved is applied thereon by means of screen printing, and the DME is evaporated to form a solid electrolyte 3. A metal lithium foil is stuck thereon as a negative electrode active material 4, and further covered with the stainless foil of a collector 1', and the peripheral part is thermally fused by a sealing material 5 such as a modified polyethylene resin and sealed. Thus, the aggravation of the battery performance can be prevented.
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Family: None
Other Abstract: None

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(19)

(11) Publication number:

04

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PATENT ABSTRACTS OF JAPAN(21) Application number: **02333743**(51) Intl. Cl.: **H01M 10/40 H01M 4/02**(22) Application date: **30.11.90**

<p>(30) Priority:</p> <p>(43) Date of application publication: 28.07.92</p> <p>(84) Designated contracting states:</p>	<p>(71) Applicant: SHIN KOBE ELECTRIC LTD. OTSUKA CHEM CO LT</p> <p>(72) Inventor: NAKAI KENJI HIGASHIMOTO KOJI HIRONAKA KENSUKE HAYAKAWA TAKUMI KOMAKI AKIO NAKANAGA TAKEFUM TANIGUCHI MASATOSH</p> <p>(74) Representative:</p>
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(54) FLAT BATTERY

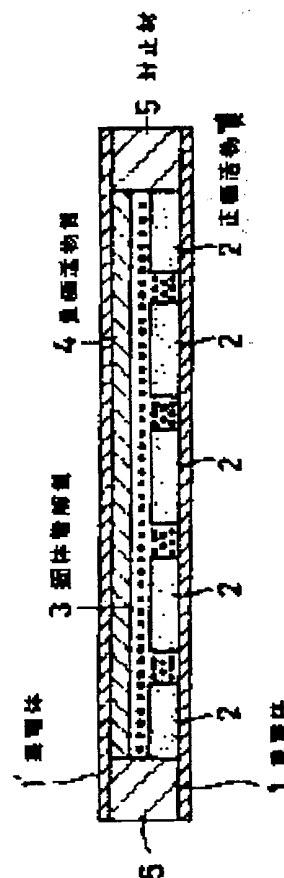
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